



PATENT ABSTRACTS OF JAPAN

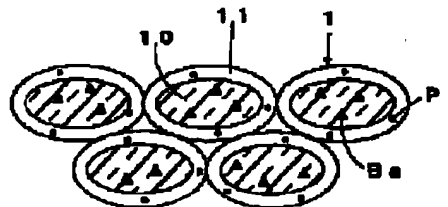
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B01J 23/58**B01D 53/86****B01D 53/94****B01J 20/04****B01J 23/42****B01J 23/48****B01J 23/89****B01J 33/00****B01J 35/02**(21) Application number: **09277849**(22) Date of filing: **09.10.97**(30) Priority: **14.11.96 JP 08303182**
17.01.97 JP 09 6572(71) Applicant: **TOYOTA MOTOR CORP**(72) Inventor: **OGURA YOSHITSUGU**
YOSHIDA TAKESHI**(54) CATALYST FOR EXHAUST GAS PURIFICATION
AND MANUFACTURE THEREOF****(57) Abstract:**

PROBLEM TO BE SOLVED: To further improve the durability by increasing the inhibitive effects upon the poisoning of an occlusion material by sulfur and at the same time, inhibiting the sintering of a catalytic noble metal, in an occlusion reduction-type catalyst.

SOLUTION: This catalyst for exhaust gas purification comprises a core part 10 made up of a first carrier and an NO_x occlusion material contained in the first carrier and a catalyst carrying layer 11 made up of a second carrier and a catalytic noble metal contained in the second carrier and formed on the surface of the core part 10. SO_x is prevented from reaching the core part 10 by the catalyst carrying layer 11 and the sintering of the catalytic noble metal is prevented from occurring as the NO_x occlusion material is separated from the catalytic noble metal.



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